In the Claims

1.(original) A moisture detection sensor comprising:

a substrate of dielectric, hydrophobic material;

two elongate, parallel, conductors secured to a top surface of the substrate;

a protective layer of non-hygroscopic, water pervious material secured to the to the top surface of the substrate and extending over the conductors; and

a mounting adhesive on a bottom surface of the substrate.

2.(original) A sensor according to Claim 1 wherein the substrate is an elongate tape, and wherein the conductors and protective layer extend along the tape.

3.(currently amended) A sensor according to Claim 1 ~~or 2~~ wherein the mounting adhesive is a pressure sensitive adhesive.

4.(original) A sensor according to Claim 3 including a release sheet over the mounting adhesive.

5.(currently amended) A sensor according to ~~any one of Claims 1 to~~ 4 Claim 1 wherein each of the conductors is a flat metal strip no less than 6.5 mm wide.

6.(currently amended) A sensor according to ~~any one of Claims 1 to~~ 5 Claim 1 wherein the conductors are spaced apart by a distance no less than 13 mm.

7.(original) A sensor according to Claim 6 wherein the conductors are spaced apart by substantially 13.6 mm.

~~6~~8 . (currently amended) A sensor according to ~~any one of Claims 1 to~~ 7 Claim 1 including at least two moisture probes adapted to penetrate the protective layer, the respective conductors and the substrate and to extend into a building component to which the substrate has been adhered, each probe being a conductive

element of corrosion resistant material.

~~7~~9. (currently amended) A sensor according to Claim ~~6~~.8 wherein each moisture probe comprises a substantially U-shaped metal element.

~~8~~10. (currently amended) A moisture detection sensor comprising:

an elongate tape;

two elongate, parallel, conductors secured to a top surface of the tape; and

at least two moisture probes adapted to penetrate the tape and the respective conductors and to extend into a building component to which the tape has been attached, each probe being a conductive element of corrosion resistant material.

~~9~~ 11.(currently amended) A sensor according to Claim 8 wherein each moisture probe comprises a substantially U-shaped metal element.

~~10~~12.(currently amended) A method of detecting moisture in an absorbent material, the method comprising:

providing two conductors on or adjacent a surface of the material; and

penetrating each conductor and the absorbent material with a conductive probe;

applying a voltage across the two conductors; and

monitoring currents passing between the conductors.

ADD NEW CLAIMS AS FOLLOWS

13. (new) A method according to claim 12 including mounting the conductors on a substrate of dielectric, hydrophobic material and covering them with a protective layer of non-hygroscopic, water pervious material secured to the to the top surface of the substrate and extending over the conductors, and attaching the substrate to the surface by a mounting adhesive on a bottom surface of the substrate.

14. (new) A method according to claim 13 wherein the substrate is an elongate tape, and wherein the conductors and protective layer extend along the tape.

15. (new) A method according to claim 12 wherein each of the conductors is a flat metal strip no less than 6.5 mm wide.

16. (new) A method according to claim 12 wherein the conductors are spaced apart by a distance no less than 13 mm.

17. (new) A method according to claim 16 wherein the conductors are spaced apart by substantially 13.6 mm.

18. (new) A method according to claim 12 wherein each probe is a conductive element of corrosion resistant material.

19. (new) A method according to claim 12 wherein two of the moisture probes are connected to form a substantially U-shaped metal element.

20. (new) A method according to claim 19 wherein the U-shaped metal element is configured to be driven in by a conventional power stapler.